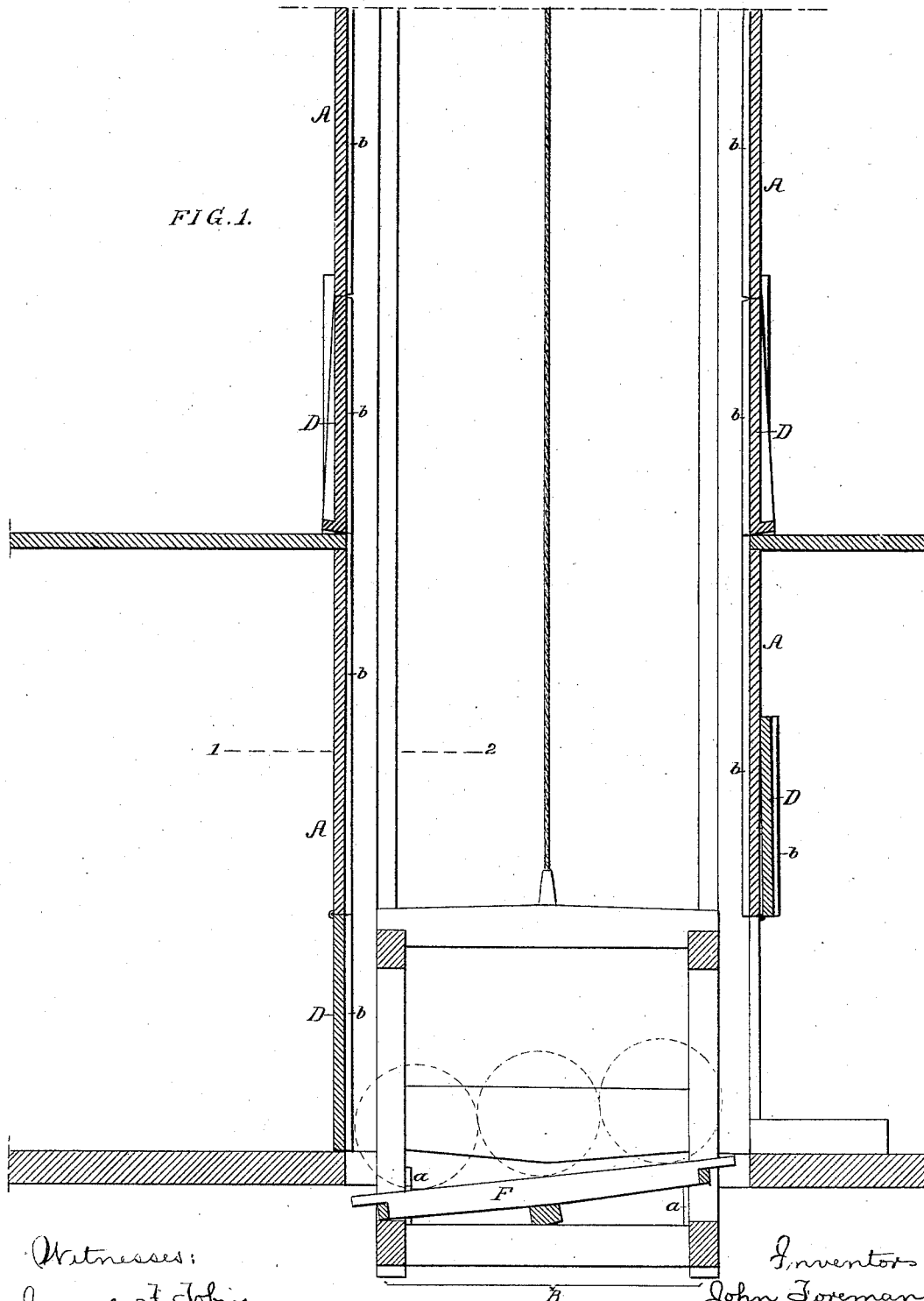


J. FOREMAN.

ELEVATOR.

No. 302,721.

Patented July 29, 1884.



Witnesses:  
James F. Tobins  
John M. Clayton

Inventor  
John Foreman  
by his Attorneys  
Howell and Co.

(No Model.)

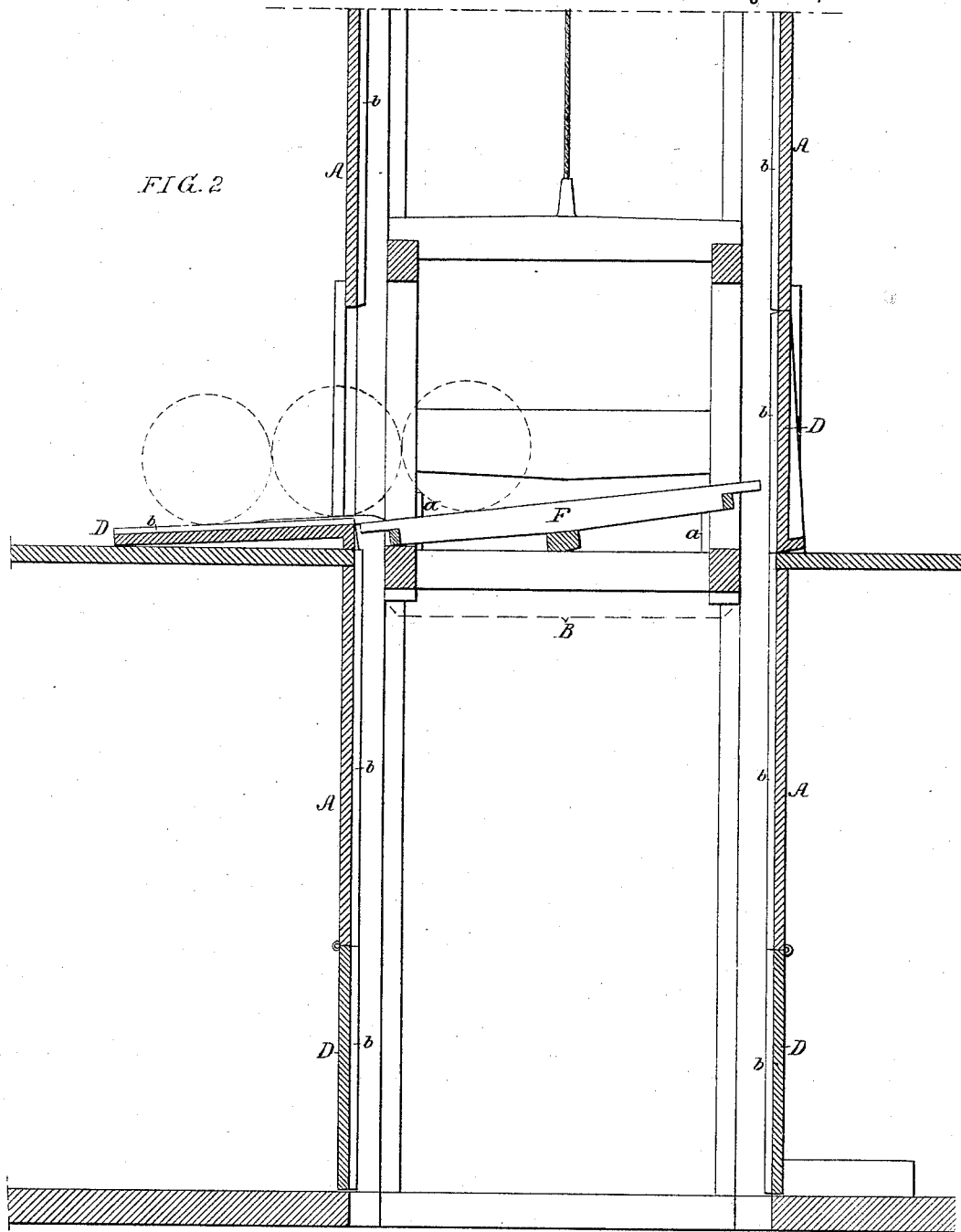
3 Sheets—Sheet 2.

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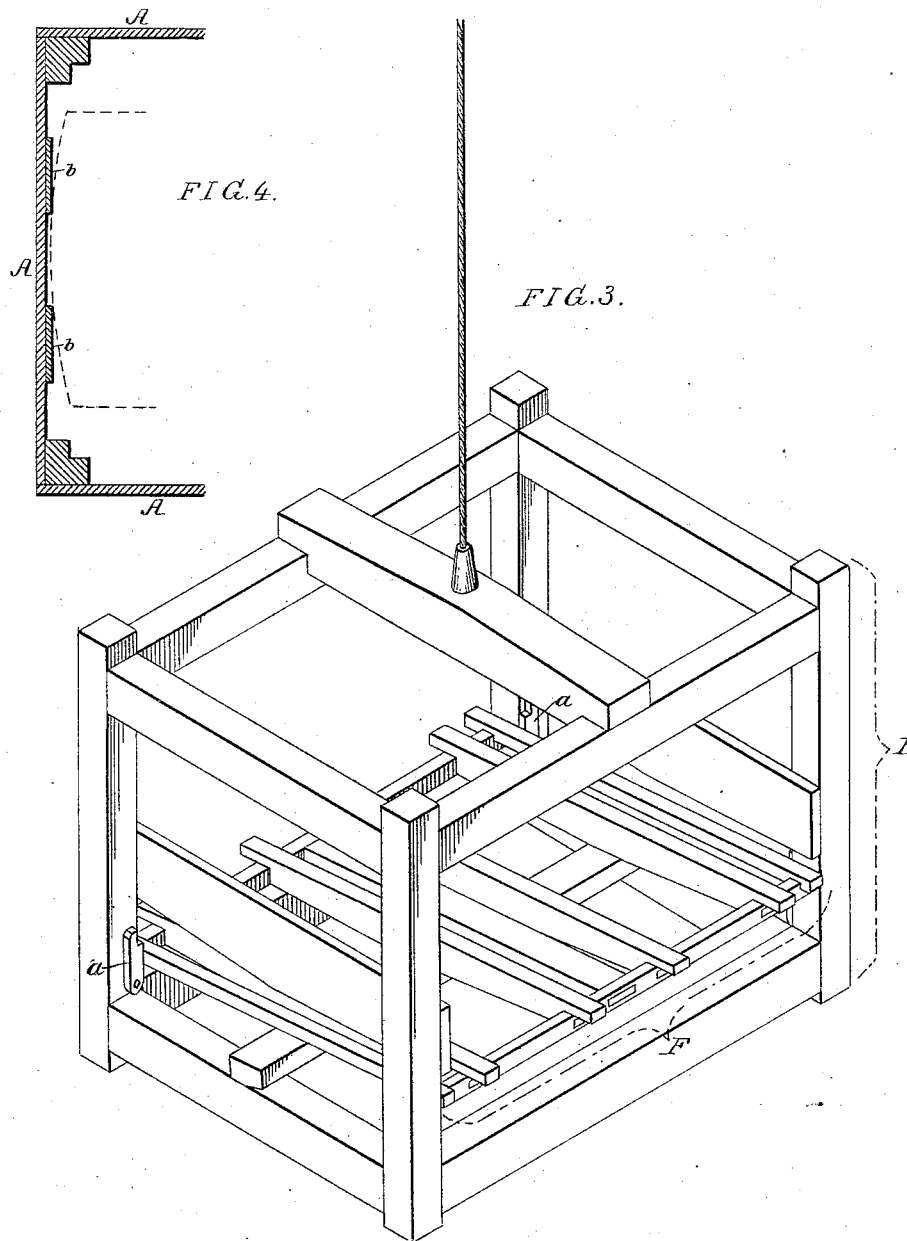
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# UNITED STATES PATENT OFFICE.

JOHN FOREMAN, OF POTTSTOWN, PENNSYLVANIA.

## ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 302,721, dated July 29, 1884.

Application filed June 16, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN FOREMAN, a citizen of the United States, and residing in Pottstown, Montgomery county, Pennsylvania, have invented certain Improvements in Elevators, of which the following is a specification.

The object of my invention is to so construct an elevator that barrels, casks, or other cylindrical objects can be readily loaded upon or discharged from the cage; and this object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1, Sheet 1, is a vertical sectional view of an elevator well and cage constructed in accordance with my invention; Fig. 2, Sheet 2, the same with the cage in a different position; Fig. 3, Sheet 3, a perspective view of the cage; and Fig. 4, a sectional plan view on the line 1 2, Fig. 1, and on a smaller scale than said figure.

A represents the elevator-well, and B the cage suitably guided therein. The well has doors D at each floor, those on the first floor in the present instance opening upward, but those on the upper floors opening downward, and being so constructed that when opened each will form an inclined skid, presenting a continuation of the inclined platform F, on which the load of the cage is deposited, so that as the inclined platform of the cage is raised into line with the skid formed by the opened door the load will, without handling, roll from the cage onto the floor, as shown by dotted lines in Fig. 2. The platform F is centrally pivoted to the cage, so that it can be inclined in either direction, in order to discharge from either side of the elevator-well, suitable catches, *a*, Fig. 3, being employed to hold the platform in position when adjusted.

Loading is effected by adjusting the cage until the elevated end of the platform F, as shown in Fig. 1, is level with the floor or skid, from which the barrel is rolled onto the platform and descends to the depressed end of the latter, where it bears against rails *b*, formed on the inside of the elevator-casing and on the inner sides of the doors D, the lowest barrel of the load bearing upon said rails during the elevation or descent of the cage, so that there is but little friction to overcome.

Where a load has simply to be raised or lowered from one floor to another, doors may be dispensed with, the openings being on opposite sides of the well; but where there are more than two floors, or where it is desired to load or discharge from either side of the well, doors will be required.

I claim as my invention—

1. The combination of a cage having an inclined platform, with an elevator-well having rails, against which the load bears as it is being raised or lowered, as set forth.
2. The combination of the elevator-well and its doors with a cage having a tilting platform, as set forth.
3. The combination of the cage and its inclined platform with an elevator-well having doors, which, when opened, form skids, presenting a continuation of said inclined platform, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN FOREMAN.

Witnesses:

JOHN M. CLAYTON,  
HARRY SMITH.